

Arkansas Small-Grain Cultivar Performance Tests 2005-2006



J.T. Kelly, C.E. Parsons, R.K. Bacon, and M.J. Emerson

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ARKANSAS SMALL-GRAIN CULTIVAR PERFORMANCE TESTS¹ 2005-2006

J.T. Kelly², C.E. Parsons³, R.K. Bacon², and M.J. Emerson³

INTRODUCTION

Small-grain cultivar performance tests are conducted each year in Arkansas by the Arkansas Agricultural Experiment Station, Department of Crop, Soil and Environmental Sciences. The tests provide information to companies developing cultivars and/or marketing seed within the state and aid the Arkansas Cooperative Extension Service in formulating cultivar recommendations for small-grain producers.

The tests are conducted at the Northeast Research and Extension Center at Keiser, the Vegetable Substation near Kibler, the Lon Mann Cotton Research Station near Marianna, the Southeast Branch Station near Rohwer, the Rice Research and Extension Center near Stuttgart, and the Southwest Research and Extension Center at Hope. Wheat tests were planted at all locations; oat tests were planted at Marianna and Stuttgart.

Two wheat tests were planted at Stuttgart. The Standard Input Wheat Test and the High Input Wheat Test contained the same entries and were treated identically with respect to cultural practices, except the High Input Test received more topdress nitrogen and a foliar fungicide application. This dual approach is utilized to give information on cultivar performance under conventional and high input production strategies employed by Arkansas farmers. Specific location and cultural practice information accompanies each table.

METHODS

Each wheat test contained 78 entries and each oat test contained 22 entries. A randomized complete block experimental design with four replications was used for all tests. Seeding rates of 105 lb/A for wheat and 64 lb/A for oat were used to establish plots 20 feet in length and 49 inches in width (seven rows, seven inches apart). The test at Keiser was planted using a grain drill with 9 rows seven inches apart. Due to the larger area planted (plot width), the effec-

tive seeding rate was reduced to 82 lb/A. All sites used conventional seedbed preparation. Plots were end-trimmed, and harvested with a plot combine. Bird feeding affected the yield on a number of plots at Hope and Kibler. Those plots with significant visual damage were discarded and not used in the yield calculation.

Characters evaluated

Yield: Yields were calculated from the weight of seed from each plot as measured by the Harvest Master Pro 4100 and are expressed as bushels per acre (bu/A) at 13% moisture content.

Test weight: Test weights, expressed in pounds per bushel (lb/bu), were determined using the Harvest Master Pro 4100.

Lodging: Lodging is reported as an estimated percentage of plants prostrate at maturity: 10 = 10% lodged; 100 = 100% lodged. The lodging ratings are usually taken at harvest, so many of the earlier maturing lines may have higher ratings resulting from a delay in harvest. Also, high lodging scores are sometimes directly associated with more seeds per head or high grain yields.

Heading Date: Heading dates are reported as the day on which an estimated 50% of the heads had emerged.

Maturity Date: Maturity dates are reported as the day on which an estimated 90% of the culms were yellow.

Disease Ratings: Disease infections are rated visually based on the percentage of leaf or glume area displaying symptoms.

¹ Use of products and trade names in this report does not constitute a guarantee or warranty of the products named and does not signify that those products are approved to the exclusion of comparable products.

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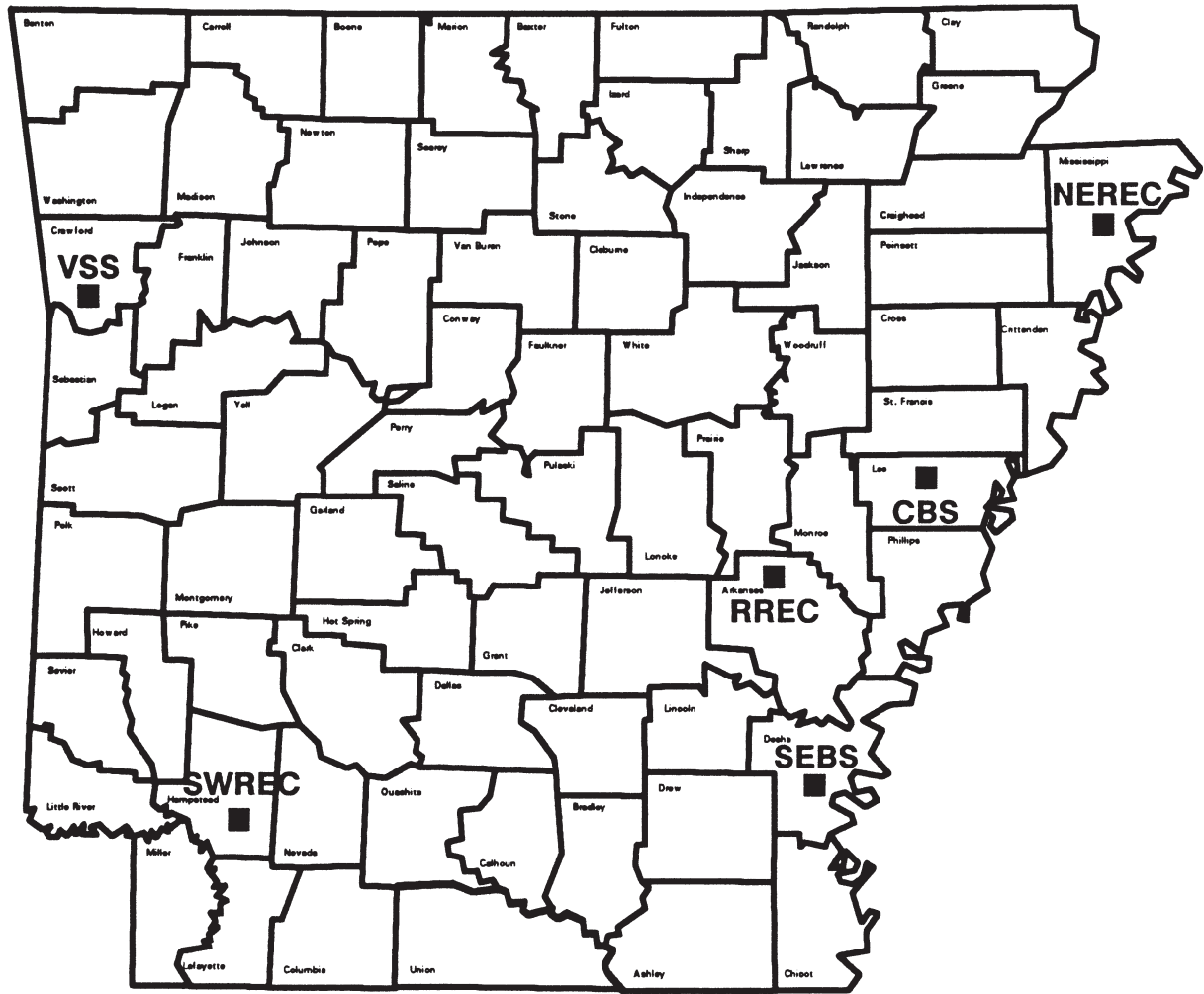
WEATHER SUMMARY

Prior to the planting season there was very low soil moisture. Rainfall was generally below normal at all locations throughout the growing season. Several locations did record above normal rainfalls for various months, but all locations recorded a deficit for the growing season. Spring growing conditions were relatively dry during the period March through May. The dry warm weather during the spring caused the crop to head and mature about one week earlier than normal. Monthly rainfall totals from October through May and the departure from normal (30-year average) are given for each test.

RESULTS

Grain yields were generally good for all locations. Low rainfall amounts had a greater effect on grain yield and test weight at some locations more than others. The test at Hope received some winter damage and was rated by Mr. J.D. Barham (Table 2). Powdery mildew was also rated at Hope by Mr. Sam Markell, with numeric values given in Table 2. Leaf ratings were taken on the Standard Input test at Stuttgart by Michael Emerson with numeric values given in Table 7. Disease reaction ratings based on average for leaf rust and powdery mildew are reported in Table 9 and were compiled by Dr. Rick Cartwright, Extension Pathologist and Dr. Gene Milus, Department of Plant Pathology. Fall forage ratings were also recorded at Marianna by Dr. John Jennings, Extension Forage Specialist and Mr. Steve Sheets, Wheat and Feed Grains program technician (Table 5). The forage ratings were gathered using a grid and counting the grids that did not have ground cover. Yields of wheat cultivars at all locations are summarized in Table 1. Grain yields and other agronomic measurements are given in Tables 2-9, along with cultural practice and site information including precipitation summaries. The results from the oat tests are presented in Tables 10-11. Severe levels of loose smut were observed at both locations for some entries, which affected the performance of some entries.

SMALL-GRAIN TEST LOCATIONS



- CBS** - Cotton Branch Station, Marianna, Arkansas
- NEREC** - Northeast Research and Extension Center, Keiser, Arkansas
- RREC** - Rice Research and Extension Center, Stuttgart, Arkansas
- SEBS** - Southeast Branch Station, Rohwer, Arkansas
- SWREC** - Southwest Research and Extension Center, Hope, Arkansas
- VSS** - Vegetable Substation, Kibler, Arkansas

Table 1. Summary of wheat yields in the Standard and High Input Tests at six locations.

	Hope	Keiser	Kibler	Marianna	Rohwer	Stuttgart	Stuttgart
	Standard Input					High Input	
-----bu/A-----							
AGRIPRO/COKER BERETTA	65.1	86.1	34.0	89.1	72.9	75.7	89.1
AGRIPRO/COKER BRANSON	85.7	76.1	76.6	83.4	81.1	71.2	91.5
AGRIPRO/COKER COKER9375	74.0	74.0	61.8	78.6	60.2	77.6	80.4
AGRIPRO/COKER COKER9553	72.8	79.4	74.0	86.5	82.4	77.5	90.6
AGRIPRO/COKER D01-7759	88.7	79.4	67.6	86.6	84.7	89.7	89.8
AGRIPRO/COKER PANOLA	74.1	81.1	71.5	76.2	87.5	68.3	81.3
AGS 2000	89.2	86.7	73.9	94.0	84.5	82.9	80.1
AGS 2050	77.6	80.7	50.9	84.5	81.4	78.8	88.2
AGS 2060	78.5	74.2	72.8	83.5	91.8	75.4	71.1
AR 850-1-1	75.4	72.9	73.2	91.9	75.1	85.5	85.3
AR96077-10-1	72.9	75.4	73.3	87.7	83.8	79.0	90.4
ARMOR 2010	61.5	73.2	48.9	73.6	71.8	72.8	90.2
ARMOR 260Z	80.9	79.2	60.7	88.7	81.0	85.3	98.7
ARMOR 3015	80.2	79.6	74.9	81.2	90.6	71.9	79.4
ARMOR 3035	53.8	71.3	57.1	74.3	78.7	71.3	90.6
ARMOR 3330	64.4	73.6	52.7	62.4	75.8	70.9	87.1
ARMOR 5110	62.0	76.0	54.3	68.8	78.6	77.8	93.1
CHOPTANK	90.8	73.4	52.8	90.3	72.4	79.5	79.1
CROPLAN GENET. 554W	59.8	82.8	63.1	94.9	73.4	75.2	95.7
CROPLAN GENET. 8302	77.6	80.4	72.7	97.8	95.7	82.7	87.7
DELTA GROW 1600	89.1	81.9	57.0	96.3	86.3	87.2	92.0
DELTA GROW 4100	63.5	75.4	58.6	63.5	71.0	78.4	92.6
DELTA GROW 4500	60.8	70.7	44.2	71.9	72.1	73.7	90.4
DELTA GROW 5200	64.3	76.9	52.4	94.4	82.4	80.7	94.5
DELTA KING 7710	64.9	78.3	59.6	66.7	82.3	79.6	87.3
DELTA KING 7830	51.3	72.4	51.6	75.2	73.7	74.6	90.3
DELTA KING 9410	51.9	73.1	54.2	79.6	78.6	77.6	96.3
DELTA KING 9577	80.4	82.5	63.4	84.1	88.6	89.0	99.6
DELTA KING GR9108	54.8	73.9	53.5	96.9	80.7	88.1	92.3
DIXIE 500	77.9	73.0	55.4	73.8	71.2	72.1	93.6
DIXIE 900	64.4	71.8	44.5	81.6	69.8	72.2	97.4
DIXIE 9512	59.0	68.8	49.5	73.6	73.4	72.9	91.3
DIXIE 989	74.5	85.3	63.3	92.3	84.3	83.8	94.4
DIXIE 9812	74.7	73.4	66.7	69.0	67.9	72.8	92.1
DIXIE BELL DB1170	47.1	73.1	44.8	55.9	70.3	70.1	85.3
DIXIE BELL DB2125	66.2	73.8	54.9	78.8	74.2	76.0	91.4
DIXIE BELL DB2150	62.8	76.1	59.8	83.4	79.3	77.7	87.8
DIXIE BELL DB3440	69.3	74.6	49.3	69.1	67.3	76.7	87.6
FFR 8302	89.4	79.3	78.2	86.7	96.9	87.0	88.1
HBK 3266	68.7	77.2	62.5	87.8	90.2	86.9	75.2
JGL EXP 603	63.6	66.2	52.8	69.2	60.7	67.0	87.5
JGL EXP 604	85.3	71.7	65.0	72.4	74.0	72.4	90.4
LA95135D54-2-3-C	68.7	71.4	70.3	68.5	75.1	73.2	69.9
LA9554D68-3-2-C	70.9	65.0	47.2	82.5	59.3	70.2	83.7
LA97113UC-124-3-B	92.3	75.1	61.1	74.3	85.5	67.2	80.8
LA98094BUB-58-5-B	61.0	67.6	59.3	59.5	67.6	64.9	61.5

Table 1. Summary of wheat yields in the Standard and High Input Tests at six locations.

	Hope	Keiser	Kibler	Marianna	Rohwer	Stuttgart	Stuttgart
	Standard Input					High Input	
-----bu/A-----							
MV 5-46	86.2	86.1	65.8	77.8	79.3	83.6	92.4
PAT	65.3	74.1	90.4	82.9	76.0	86.1	87.3
PIONEER 26R15	92.3	87.3	65.7	81.6	88.3	80.8	65.2
PIONEER 26R22	91.8	87.0	72.4	91.4	95.0	86.2	92.4
PIONEER XW04C	94.9	79.4	79.0	81.5	92.8	75.8	81.7
PROGENY 110	50.0	70.1	55.5	83.8	70.5	69.7	88.4
PROGENY 133	57.8	71.3	44.9	71.0	71.9	78.3	91.3
PROGENY 145	65.7	72.2	50.9	74.9	63.2	73.7	91.1
PROGENY 166	62.8	75.8	54.7	80.4	68.9	77.9	91.5
PROGENY 185	79.3	78.2	72.9	74.8	74.5	78.9	95.8
PROGENY 196	61.5	83.9	67.3	75.4	82.4	65.3	73.9
ROANE	83.7	81.7	64.3	76.5	79.9	83.6	87.0
SABBE	57.9	74.6	61.9	88.3	69.2	60.9	74.0
TERRAL LA841	65.7	72.5	70.7	75.1	82.7	77.6	83.3
TERRAL TV8466	82.9	77.2	57.3	72.2	86.1	79.5	95.6
TERRAL TV8558	74.9	82.7	73.6	93.7	88.5	88.0	100.2
TERRAL TVX8331	88.3	78.0	74.8	84.3	88.1	79.1	84.8
TERRAL TVX8332	65.1	75.7	61.7	80.9	79.7	78.9	97.6
TERRAL TVX83H504	69.4	75.1	67.9	89.8	78.7	73.1	91.7
TERRAL TVX8660	62.8	77.0	66.8	84.3	79.2	73.8	76.5
UGA 951079-2E31	55.8	74.6	51.0	74.7	66.3	75.3	73.1
UGA 951216-2E26	56.1	71.2	60.7	79.9	78.1	70.9	85.6
UGA 951395-3A31	87.3	75.4	74.3	90.2	89.6	78.1	82.3
UGA 951395-3E25	96.3	74.7	83.2	86.8	88.7	76.9	86.9
UGA 96229-3A41	62.0	73.3	55.0	99.4	78.0	87.2	89.1
UGA 96229-3E39	64.9	72.6	66.3	86.8	69.2	76.8	100.5
USG 3209	85.0	82.9	66.2	90.0	84.7	71.3	90.7
USG 3244	66.4	78.2	50.4	83.9	70.0	75.8	90.2
USG 3350	64.0	72.0	57.8	79.2	79.2	72.2	96.1
USG 3665	72.2	84.4	53.1	93.1	90.2	86.7	88.6
VIGORO DOMINION	82.8	80.2	52.7	78.4	85.6	83.7	100.6
VIGORO McINTOSH	64.9	78.5	59.2	71.0	80.2	76.8	83.2
Grand mean	71.5	76.4	61.5	81.0	78.7	77.2	87.7
LSD (5%)	19.1	5.6	19.5	20.6	12.0	7.9	14.0
C.V. (%)	19.3	5.3	22.9	18.4	11.0	7.4	11.5

**STANDARD INPUT WHEAT TEST
SOUTHWEST RESEARCH & EXTENSION CENTER, HOPE, AR**

SOIL SERIES....Bowie silt loam
 PREVIOUS CROP...Fallow
 PLANTING DATE....November 7, 2005
 FERTILIZER....100 lb 18-46-0/A and 100 lb 0-0-60/A on Oct. 20, 2005; 49 lb N/A on Feb. 9, 2006; 33 lb N/A on March 14, 2006.
 HERBICIDE.... 0.6 oz/A Harmony Extra on Dec. 8, 2005; 4.75 oz/A Osprey on Feb. 9, 2006.
 INSECTICIDE....None
 HARVEST DATE....June 6, 2006
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2005-2006	0.01	3.0	0.6	4.3	3.6	6.4	3.1	3.9	24.9
Normal	2.4	4.1	4.7	3.4	3.0	4.8	5.1	5.3	32.8
Departure	-1.3	-1.1	-4.1	+0.9	+0.6	+1.6	-2.0	-1.4	-7.9
				1	0				

Table 2. Performance of Wheat Cultivars in the Standard Input Test, Hope.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	Winter kill	PM	2-Yr avg
	bu/A	lb/bu	%	in			%	%	bu/A
UGA 951395-3E25	96.3	55.8	55	35	3-30	5-30	2	2	
PIONEER XW04C	94.9	57.8	75	33	3-29	5-30	3	1	
LA97113UC-124-3-B	92.3	56.3	50	38	3-31	5-30	3	1	
PIONEER 26R15	92.3	54.3	48	39	4-02	5-30	1	0	81.4
PIONEER 26R22	91.8	54.4	68	38	4-01	5-30	2	1	85.8
CHOPTANK	90.8	56.2	78	31	4-04	5-30	1	0	63.7
FFR 8302	89.4	55.9	45	40	4-01	5-30	2	13	86.4
AGS 2000	89.2	55.1	68	37	3-31	5-30	2	1	73.6
DELTA GROW 1600	89.1	51.6	60	38	4-06	5-30	1	4	
AGRIPRO/COKER D01-7759	88.7	54.8	15	38	3-31	5-30	2	31	
TERRAL TVX8331	88.3	54.2	21	38	4-01	5-30	1	7	
UGA 951395-3A31	87.3	56.4	88	34	3-30	5-30	2	1	
MV 5-46	86.2	55.9	60	36	3-31	5-30	2	0	71.4
AGRIPRO/COKER BRANSON	85.7	53.9	28	37	4-05	5-30	1	0	
JGL EXP 604	85.3	53.8	65	41	4-05	5-30	1	11	
USG 3209	85.0	54.9	95	33	3-30	5-30	3	1	77.1
ROANE	83.7	55.4	83	36	4-07	5-30	1	0	72.5
TERRAL TV8466	82.9	52.8	40	38	4-04	5-30	2	5	80.4
VIGORO DOMINION	82.8	55.7	81	34	3-29	5-30	3	0	75.6
ARMOR 260Z	80.9	54.8	70	38	4-04	5-30	2	1	
DELTA KING 9577	80.4	55.1	75	40	3-31	5-30	1	1	77.3
ARMOR 3015	80.2	55.7	80	36	3-30	5-30	4	24	
PROGENY 185	79.3	53.8	73	39	4-01	5-30	2	4	73.4
AGS 2060	78.5	57.5	98	34	3-29	5-30	2	10	84.6
DIXIE 500	77.9	54.0	45	42	4-06	5-30	1	2	65.2
CROPLAN GENET. 8302	77.6	55.3	60	37	4-04	5-30	2	29	68.4

Table 2. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	Winter kill	PM	2-Yr avg
	bu/A	lb/bu	%	in			%	%	bu/A
AGS 2050	77.6	55.6	93	37	3-31	5-30	1	1	61.9
AR 850-1-1	75.4	53.3	20	38	4-10	5-30	1	36	
TERRAL TV8558	74.9	54.3	63	39	4-02	5-30	2	2	79.7
DIXIE 9812	74.7	55.6	45	39	3-29	5-30	2	83	68.4
DIXIE 989	74.5	52.7	95	42	4-05	5-30	1	1	
AGRIPRO/COKER PANOLA	74.1	53.8	80	37	3-29	5-30	2	9	69.8
AGRIPRO/COKER COKER9375	74.0	52.5	51	40	4-02	5-30	2	4	68.7
AR96077-10-1	72.9	54.2	80	38	3-29	5-30	2	3	
AGRIPRO/COKER COKER9553	72.8	56.9	63	35	3-28	5-30	2	26	76.7
USG 3665	72.2	50.0	95	36	4-05	5-30	1	4	
LA9554D68-3-2-C	70.9	54.8	74	39	3-28	5-30	3	1	
TERRAL TVX83H504	69.4	53.2	23	40	4-06	5-30	1	31	
DIXIE BELL DB3440	69.3	52.5	73	39	4-07	5-30	1	7	
HBK 3266	68.7	54.9	70	37	3-29	5-30	4	46	59.1
LA95135D54-2-3-C	68.7	54.2	88	40	3-31	5-30	3	4	74.3
USG 3244	66.4	51.9	58	42	4-06	5-30	1	54	
DIXIE BELL DB2125	66.2	53.8	20	39	4-06	5-30	1	35	68.1
PROGENY 145	65.7	52.6	43	40	4-02	5-30	1	78	63.0
TERRAL LA841	65.7	52.6	83	34	3-30	5-30	3	12	76.2
PAT	65.3	52.4	53	39	4-10	5-30	2	71	69.4
AGRIPRO/COKER BERETTA	65.1	53.2	90	36	4-05	5-30	1	5	60.5
TERRAL TVX8332	65.1	51.9	43	39	4-05	5-30	1	61	
UGA 96229-3E39	64.9	55.3	60	38	3-28	5-30	2	0	
VIGORO McINTOSH	64.9	54.7	70	39	3-29	5-30	3	2	
DELTA KING 7710	64.9	53.2	75	41	4-04	5-30	2	46	71.9
ARMOR 3330	64.4	52.5	50	39	4-04	5-30	1	77	68.9
DIXIE 900	64.4	52.6	60	37	4-07	5-30	1	73	73.4
DELTA GROW 5200	64.3	53.6	48	39	4-07	5-30	1	70	
USG 3350	64.0	53.6	23	40	4-05	5-30	1	60	65.4
JGL EXP 603	63.6	52.8	30	38	4-06	5-30	1	59	
DELTA GROW 4100	63.5	53.0	58	41	4-07	5-30	1	71	71.4
PROGENY 166	62.8	53.8	50	39	4-04	5-30	1	69	63.4
DIXIE BELL DB2150	62.8	55.3	33	42	4-04	5-30	1	59	67.7
TERRAL TVX8660	62.8	50.4	65	36	4-09	5-30	1	63	
ARMOR 5110	62.0	51.9	55	39	4-05	5-30	1	65	
UGA 96229-3A41	62.0	54.9	83	36	3-30	5-30	2	1	
ARMOR 2010	61.5	55.3	35	39	3-31	5-30	1	78	54.1
PROGENY 196	61.5	50.7	88	34	4-02	5-30	3	42	
LA98094BUB-58-5-B	61.0	51.7	75	33	4-01	5-30	3	15	
DELTA GROW 4500	60.8	52.3	68	39	4-05	5-30	1	73	63.1
CROPLAN GENET. 554W	59.8	53.4	83	37	3-31	5-30	1	2	46.3
DIXIE 9512	59.0	51.9	36	39	4-03	5-30	1	80	57.3
SABBE	57.9	52.9	93	38	4-10	5-30	2	1	57.8
PROGENY 133	57.8	52.1	74	40	4-03	5-30	1	75	66.5
UGA 951216-2E26	56.1	54.5	80	37	3-28	5-30	3	35	89.2

Table 2. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	Winter kill	PM	2-Yr avg
	bu/A	lb/bu	%	in			%	%	bu/A
UGA 951079-2E31	55.8	52.8	91	35	3-28	5-30	4	1	73.5
DELTA KING GR9108	54.8	55.1	75	39	3-30	5-30	3	4	72.5
ARMOR 3035	53.8	52.0	84	39	4-06	5-30	1	83	61.7
DELTA KING 9410	51.9	50.8	73	38	4-04	5-30	1	80	68.8
DELTA KING 7830	51.3	53.3	71	40	4-05	5-30	1	80	61.4
PROGENY 110	50.0	53.2	63	39	4-06	5-30	1	83	62.2
DIXIE BELL DB1170	47.1	53.3	33	40	4-04	5-30	1	62	53.5
Grand mean	71.5	53.9	63	38	4-03	5-30	2	29	69.4
LSD (5%)	19.1	2.5	37	3	4	ns	1	19	
C.V. (%)	19.3	3.4	43	6	8	0	31	48	

Ldg = Lodging ; Pt ht = Plant height; PM = Powdery Mildew.

**STANDARD INPUT WHEAT TEST
NORTHEAST RESEARCH & EXTENSION CENTER, KEISER, AR**

SOIL SERIES....Sharkey silty clay
 PREVIOUS CROP...Fallow
 PLANTING DATE....October 11, 2005
 FERTILIZER....100 lb N/A on Feb. 27, 2006; 100 lb N/A on March 15, 2006
 HERBICIDE....2.7 pt/A Hoelon on March 15, 2006
 INSECTICIDE....None
 HARVEST DATE....June 5, 2006
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2005-2006	0.5	2.2	0.9	6.2	3.1	3.7	2.4	4.2	23.2
Normal	2.4	4.1	4.7	3.4	3.0	4.8	5.1	5.3	32.8
Departure	-1.9	-1.9	-3.8	+2.8	+0.1	-1.1	-2.7	-1.1	-9.6

Table 3. Performance of Wheat Cultivars in the Standard Input Test, Keiser.

Entry Name	Yield	Test wt	Head date	Mat. date	2-Yr avg	3-Yr avg
	bu/A	lb/bu			bu/A	bu/A
PIONEER 26R15	87.3	61.5	4-17	5-22	86.8	82.0
PIONEER 26R22	87.0	60.1	4-16	5-22	93.6	
AGS 2000	86.7	61.8	4-12	5-21	85.1	77.3
MV 5-46	86.1	63.0	4-14	5-18	81.4	
AGRIPRO/COKER BERETTA	86.1	61.2	4-18	5-22	86.9	80.1
DIXIE 989	85.3	61.1	4-18	5-21		
USG 3665	84.4	61.6	4-17	5-21		
PROGENY 196	83.9	61.1	4-18	5-23		
USG 3209	82.9	61.7	4-12	5-20	85.8	76.1
CROPLAN GENET. 554W	82.8	60.1	4-17	5-21	86.8	81.4
TERRAL TV8558	82.7	61.3	4-17	5-21	91.1	
DELTA KING 9577	82.5	61.1	4-17	5-21	88.7	82.0
DELTA GROW 1600	81.9	61.8	4-17	5-21		
ROANE	81.7	62.7	4-18	5-23	79.1	73.2
AGRIPRO/COKER PANOLA	81.1	61.5	4-15	5-22	83.6	76.8
AGS 2050	80.7	62.6	4-14	5-19	79.7	
CROPLAN GENET. 8302	80.4	62.0	4-17	5-22	76.6	
VIGORO DOMINION	80.2	61.0	4-17	5-21	83.3	
ARMOR 3015	79.6	62.2	4-17	5-23		
AGRIPRO/COKER COKER9553	79.4	62.5	4-13	5-16	87.3	
PIONEER XW04C	79.4	64.4	4-11	5-19		
AGRIPRO/COKER D01-775979.4	61.3	4-15	5-22			
FFR 8302	79.3	61.5	4-17	5-22	80.6	74.8
ARMOR 260Z	79.2	61.5	4-17	5-21		
VIGORO McINTOSH	78.5	62.8	4-16	5-19		
DELTA KING 7710	78.3	61.8	4-18	5-21	81.4	74.3

Table 3. Continued.

Entry Name	Yield	Test wt	Head date	Mat. date	2-Yr avg	3-Yr avg
	bu/A	lb/bu			bu/A	bu/A
USG 3244	78.2	61.1	4-17	5-22		
PROGENY 185	78.2	60.4	4-16	5-22	86.0	
TERRAL TVX8331	78.0	61.3	4-16	5-21		
TERRAL TV8466	77.2	61.5	4-17	5-21	74.8	68.9
HBK 3266	77.2	61.2	4-13	5-21	76.9	72.2
TERRAL TVX8660	77.0	60.3	4-18	5-24		
DELTA GROW 5200	76.9	61.7	4-17	5-23		
AGRIPRO/COKER BRANSON	76.1	60.8	4-14	5-19		
DIXIE BELL DB2150	76.1	61.4	4-15	5-21	82.4	74.0
ARMOR 5110	76.0	61.9	4-17	5-21		
PROGENY 166	75.8	61.3	4-17	5-23	79.3	68.9
TERRAL TVX8332	75.7	60.7	4-17	5-23		
AR96077-10-1	75.4	60.7	4-16	5-20		
UGA 951395-3A31	75.4	62.2	4-14	5-19		
DELTA GROW 4100	75.4	61.6	4-17	5-22	77.8	
TERRAL TVX83H504	75.1	61.0	4-17	5-22		
LA97113UC-124-3-B	75.1	63.6	4-16	5-20		
UGA 951395-3E25	74.7	61.9	4-14	5-18		
UGA 951079-2E31	74.6	62.6	4-13	5-16	72.0	
SABBE	74.6	59.7	4-18	5-23	66.7	64.3
DIXIE BELL DB3440	74.6	60.8	4-17	5-21		
AGS 2060	74.2	64.1	4-15	5-22	73.5	67.3
PAT	74.1	61.8	4-19	5-23	76.5	69.1
AGRIPRO/COKER COKER9375	74.0	59.5	4-17	5-20	77.3	71.9
DELTA KING GR9108	73.9	58.0	4-15	5-19	80.1	67.1
DIXIE BELL DB2125	73.8	60.1	4-17	5-23	80.8	72.4
ARMOR 3330	73.6	60.8	4-16	5-21	78.0	69.8
CHOPTANK	73.4	61.6	4-14	5-20	71.2	67.1
DIXIE 9812	73.4	62.0	4-15	5-21	78.0	70.1
UGA 96229-3A41	73.3	62.2	4-16	5-19		
ARMOR 2010	73.2	61.5	4-14	5-20	82.9	71.5
DELTA KING 9410	73.1	60.9	4-16	5-21	81.9	71.5
DIXIE BELL DB1170	73.1	59.3	4-15	5-22	79.5	71.8
DIXIE 500	73.0	61.0	4-17	5-22	74.3	66.5
AR 850-1-1	72.9	62.0	4-19	5-24		
UGA 96229-3E39	72.6	62.7	4-15	5-17		
TERRAL LA841	72.5	61.0	4-12	5-17	74.8	70.0
DELTA KING 7830	72.4	61.8	4-16	5-20	76.4	68.8
PROGENY 145	72.2	60.5	4-15	5-22	81.5	71.8
USG 3350	72.0	61.6	4-17	5-22	77.6	68.8
DIXIE 900	71.8	61.2	4-17	5-23	79.0	72.3
JGL EXP 604	71.7	59.8	4-17	5-23		
LA95135D54-2-3-C	71.4	61.6	4-15	5-20	76.6	
PROGENY 133	71.3	60.5	4-16	5-22	72.1	66.2
ARMOR 3035	71.3	60.8	4-17	5-22	77.1	66.1

Table 3. Continued.

Entry Name	Yield	Test wt	Head date	Mat. date	2-Yr avg	3-Yr avg
	bu/A	lb/bu			bu/A	bu/A
UGA 951216-2E26	71.2	62.7	4-14	5-18	77.7	
DELTA GROW 4500	70.7	61.1	4-17	5-22	78.2	69.6
PROGENY 110	70.1	61.2	4-15	5-22	79.2	69.8
DIXIE 9512	68.8	61.2	4-15	5-20	73.5	67.5
LA98094BUB-58-5-B	67.6	61.4	4-13	5-20		
JGL EXP 603	66.2	60.2	4-16	5-21		
LA9554D68-3-2-C	65.0	59.4	4-12	5-16		
Grand Mean	76.4	61.4	4-16	5-21	79.8	71.7
LSD (5%)	5.6	1.2	1	2		
C.V. (%)	5.3	1.4	2	2		

**STANDARD INPUT WHEAT TEST
VEGETABLE SUBSTATION, KIBLER, AR**

SOIL SERIES....Roxanna silt loam
 PREVIOUS CROP...Fallow
 PLANTING DATE....October 26, 2005
 FERTILIZER....90 lb N/A + 16 lb S/A on Feb. 28, 2006
 HERBICIDE....0.6 oz /A Harmony Extra + 4.75 oz/A Osprey on March 6, 2006
 INSECTICIDE....None
 HARVEST DATE....June 14, 2006
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2005-2006	0.2	2.5	0.2	3.0	0.4	6.8	5.5	6.4	25.0
Normal	3.3	3.2	2.8	2.4	2.7	3.9	4.2	4.6	27.1
Departure	-3.1	-0.7	-2.6	+0.6	-2.3	+2.9	+1.3	+1.8	-2.1

Table 4. Performance of Wheat Cultivars in the Standard Input Test, Kibler.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date
	bu/A	lb/bu	%	in		
PAT	90.4	52.6	0	35	4-16	5-24
UGA 951395-3E25	83.2	51.8	41	33	4-17	5-23
PIONEER XW04C	79.0	54.6	23	34	4-18	5-26
FFR 8302	78.2	50.6	23	35	4-16	5-25
AGRIPRO/COKER BRANSON	76.6	49.0	23	36	4-17	5-24
ARMOR 3015	74.9	50.1	26	35	4-16	5-24
TERRAL TVX8331	74.8	50.9	15	37	4-17	5-25
UGA 951395-3A31	74.3	52.5	44	35	4-17	5-25
AGRIPRO/COKER COKER9553	74.0	53.5	25	32	4-16	5-24
AGS 2000	73.9	51.1	56	36	4-18	5-26
TERRAL TV8558	73.6	50.1	10	36	4-16	5-25
AR96077-10-1	73.3	48.9	43	33	4-16	5-24
AR 850-1-1	73.2	53.9	0	35	4-17	5-23
PROGENY 185	72.9	50.0	8	35	4-16	5-24
AGS 2060	72.8	55.1	0	37	4-16	5-24
CROPLAN GENET. 8302	72.7	50.2	2	38	4-16	5-25
PIONEER 26R22	72.4	51.3	21	33	4-17	5-25
AGRIPRO/COKER PANOLA	71.5	50.6	49	35	4-18	5-25
TERRAL LA841	70.7	51.3	47	35	4-17	5-24
LA95135D54-2-3-C	70.3	50.3	9	34	4-16	5-26
TERRAL TVX83H504	67.9	49.1	13	37	4-18	5-24
AGRIPRO/COKER D01-775967.6	52.0	13	37	4-18	5-25	
PROGENY 196	67.3	50.6	29	36	4-18	5-25
TERRAL TVX8660	66.8	48.3	5	35	4-17	5-25
DIXIE 9812	66.7	50.6	44	34	4-15	5-24
UGA 96229-3E39	66.3	49.4	29	33	4-18	5-26

Table 4. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date
	bu/A	lb/bu	%	in		
USG 3209	66.2	49.6	55	34	4-15	5-24
MV 5-46	65.8	50.3	31	33	4-16	5-24
PIONEER 26R15	65.7	50.7	16	36	4-17	5-24
JGL EXP 604	65.0	45.6	6	36	4-16	5-24
ROANE	64.3	50.5	36	35	4-17	5-25
DELTA KING 9577	63.4	50.2	50	35	4-17	5-24
DIXIE 989	63.3	48.1	25	34	4-19	5-26
CROPLAN GENET. 554W	63.1	50.3	86	36	4-17	5-25
HBK 3266	62.5	51.9	40	35	4-18	5-25
SABBE	61.9	51.1	30	34	4-16	5-25
AGRIPRO/COKER COKER9375	61.8	43.9	19	35	4-17	5-25
TERRAL TVX8332	61.7	50.1	16	37	4-16	5-25
LA97113UC-124-3-B	61.1	52.8	1	36	4-17	5-23
UGA 951216-2E26	60.7	51.9	36	35	4-17	5-25
ARMOR 260Z	60.7	49.8	24	36	4-16	5-26
DIXIE BELL DB2150	59.8	51.3	40	34	4-16	5-24
DELTA KING 7710	59.6	49.9	13	36	4-17	5-25
LA98094BUB-58-5-B	59.3	50.3	56	36	4-16	5-25
VIGORO McINTOSH	59.2	51.9	46	36	4-16	5-24
DELTA GROW 4100	58.6	48.5	23	33	4-18	5-24
USG 3350	57.8	49.2	21	33	4-19	5-24
TERRAL TV8466	57.3	50.0	1	37	4-17	5-26
ARMOR 3035	57.1	50.9	18	35	4-17	5-25
DELTA GROW 1600	57.0	51.0	46	34	4-18	5-25
PROGENY 110	55.5	49.6	16	32	4-16	5-24
DIXIE 500	55.4	51.4	13	33	4-18	5-25
UGA 96229-3A41	55.0	48.4	24	33	4-19	5-26
DIXIE BELL DB2125	54.9	51.0	10	34	4-18	5-25
PROGENY 166	54.7	51.1	13	36	4-16	5-24
ARMOR 5110	54.3	50.2	39	37	4-18	5-24
DELTA KING 9410	54.2	51.2	11	36	4-17	5-25
DELTA KING GR9108	53.5	51.4	22	36	4-18	5-25
USG 3665	53.1	50.3	23	33	4-16	5-24
CHOPTANK	52.8	51.8	50	34	4-18	5-24
JGL EXP 603	52.8	49.0	10	33	4-17	5-24
ARMOR 3330	52.7	48.3	30	36	4-18	5-25
VIGORO DOMINION	52.7	49.2	37	36	4-17	5-25
DELTA GROW 5200	52.4	49.9	36	34	4-18	5-25
DELTA KING 7830	51.6	49.0	28	35	4-18	5-25
UGA 951079-2E31	51.0	52.1	49	37	4-18	5-25
PROGENY 145	50.9	49.5	61	37	4-17	5-24
AGS 2050	50.9	50.4	38	35	4-16	5-24
USG 3244	50.4	49.0	36	36	4-15	5-25
DIXIE 9512	49.5	50.2	26	33	4-16	5-24
DIXIE BELL DB3440	49.3	49.0	35	35	4-17	5-25

Table 4. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date
	bu/A	lb/bu	%	in		
ARMOR 2010	48.9	50.6	30	34	4-18	5-24
LA9554D68-3-2-C	47.2	49.8	50	35	4-18	5-26
PROGENY 133	44.9	48.7	40	31	4-15	5-24
DIXIE BELL DB1170	44.8	50.8	20	36	4-16	5-24
DIXIE 900	44.5	50.9	49	36	4-17	5-25
DELTA GROW 4500	44.2	47.4	38	35	4-18	5-24
AGRIPRO/COKER BERETTA	34.0	51.0	31	34	4-18	5-25
Grand mean	61.5	50.4	28	35	4-17	5-25
LSD (5%)	19.5	3.1	32	4	3	2
C.V. (%)	22.9	4.4	82	8	4	2

Ldg = Lodging; Pt ht = Plant height

**STANDARD INPUT WHEAT TEST
LON MANN COTTON RESEARCH STATION, MARIANNA, AR**

SOIL SERIES....Loring silt loam
 PREVIOUS CROP....Fallow
 PLANTING DATE....October 12, 2005
 FERTILIZER.... 90 lb N/A + 16 lb/S/A on March 1, 2006; 60 lb N/A on March 15, 2006
 HERBICIDE....0.6 oz/A Harmony Extra + 4.75 oz/A Osprey on March 4, 2006
 INSECTICIDE....3.84 oz/A Warrior on October 28,2005
 HARVEST DATE....June 1, 2006
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2005-2006	0.5	2.8	1.1	5.4	3.3	4.6	2.2	3.9	23.7
Normal	3.0	4.4	4.8	4.4	4.1	5.4	5.5	5.2	36.8
Departure	-2.5	-1.6	-3.7	+1.0	-0.8	-0.8	-3.3	-1.3	-13.1

	0								

Table 5. Performance of Wheat Cultivars In the Standard Input Test, Marianna.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	Fall grow	For rate	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in			in		bu/A	bu/A
UGA 96229-3A41	99.4	54.5	11	36	4-08	5-18	6	11		
CROPLAN GENET. 8302	97.8	53.8	4	36	4-09	5-22	4	13	94.8	
DELTA KING GR9108	96.9	54.5	30	39	4-04	5-18	4	12	94.6	93.0
DELTA GROW 1600	96.3	56.0	21	36	4-11	5-21	4	6		
CROPLAN GENET. 554W	94.9	54.6	34	34	4-11	5-18	5	12	68.3	76.6
DELTA GROW 5200	94.4	53.2	19	37	4-09	5-21	5	13		
AGS 2000	94.0	54.9	20	37	4-02	5-19	5	16	80.4	85.3
TERRAL TV8558	93.7	56.8	3	36	4-09	5-16	3	20	94.6	
USG 3665	93.1	55.3	19	37	4-09	5-21	4	4		
DIXIE 989	92.3	54.3	30	35	4-11	5-20	4	16		
AR 850-1-1	91.9	55.3	1	38	4-13	5-22	3	5		
PIONEER 26R22	91.4	54.1	13	35	4-09	5-20	2	13	87.4	
CHOPTANK	90.3	55.2	3	32	4-04	5-20	5	19	81.5	85.2
UGA 951395-3A31	90.2	53.4	25	33	4-05	5-19	4	22		
USG 3209	90.0	53.4	40	34	4-03	5-15	5	12	86.9	88.4
TERRAL TVX83H504	89.8	55.5	25	35	4-11	5-20	4	20		
AGRIPRO/COKER BERETTA	89.1	53.3	6	33	4-13	5-21	3	10	82.3	85.8
ARMOR 260Z	88.7	53.0	12	35	4-09	5-17	3	22		
SABBE	88.3	53.4	0	36	4-11	5-20	4	6	82.0	82.5
HBK 3266	87.8	54.8	24	36	4-05	5-16	5	10	76.0	83.8
AR96077-10-1	87.7	54.2	2	32	4-08	5-18	5	11		
UGA 951395-3E25	86.8	52.0	16	32	4-06	5-16	4	19		
UGA 96229-3E39	86.8	52.1	31	36	4-08	5-20	7	16		
FFR 8302	86.7	53.0	3	35	4-09	5-22	4	4	89.3	90.2
AGRIPRO/COKER D01-775986.6	54.1	0	39	4-07	5-19	6	13			
AGRIPRO/COKER COKER9553	86.5	52.6	16	38	4-05	5-16	5	13	84.6	
AGS 2050	84.5	54.0	8	35	4-07	5-18	3	17	83.6	

Table 5. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	Fall grow	For rate	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in			in		bu/A	bu/A
TERRAL TVX8331	84.3	53.3	9	36	4-08	5-20	4	14		
TERRAL TVX8660	84.3	51.9	1	32	4-13	5-20	4	2		
DELTA KING 9577	84.1	53.3	22	35	4-09	5-19	4	6	86.6	91.9
USG 3244	83.9	52.3	24	38	4-09	5-20	6	8		
PROGENY 110	83.8	52.9	23	39	4-07	5-19	4	12	79.8	81.4
AGS 2060	83.5	55.7	6	39	4-04	5-21	5	8	76.6	82.7
AGRIPRO/COKER BRANSON	83.4	52.8	29	32	4-08	5-16	5	20		
DIXIE BELL DB2150	83.4	52.7	12	39	4-05	5-18	5	4	81.9	85.1
PAT	82.9	55.0	0	36	4-13	5-21	3	15	85.8	83.9
LA9554D68-3-2-C	82.5	54.3	30	34	4-02	5-16	5	3		
PIONEER 26R15	81.6	53.0	29	35	4-08	5-19	4	15	83.6	86.3
DIXIE 900	81.6	54.4	10	38	4-10	5-20	4	15	84.8	86.2
PIONEER XW04C	81.5	57.5	4	34	4-06	5-17	5	15		
ARMOR 3015	81.2	54.2	18	35	4-08	5-20	4	17		
TERRAL TVX8332	80.9	53.8	21	35	4-10	5-21	4	10		
PROGENY 166	80.4	54.3	4	39	4-10	5-21	3	18	86.4	88.3
UGA 951216-2E26	79.9	52.3	17	35	4-08	5-17	5	8	83.3	
DELTA KING 9410	79.6	52.9	18	37	4-09	5-20	5	12	78.9	83.9
USG 3350	79.2	54.0	11	38	4-08	5-20	6	12	85.3	88.5
DIXIE BELL DB2125	78.8	54.6	9	38	4-09	5-20	4	14	75.7	79.7
AGRIPRO/COKER COKER9375	78.6	52.2	33	38	4-10	5-20	3	8	80.4	80.7
VIGORO DOMINION	78.4	53.6	38	33	4-08	5-16	6	11	89.4	
MV 5-46	77.8	56.4	20	35	4-04	5-16	6	13	69.4	
ROANE	76.5	53.2	11	32	4-12	5-21	4	8	73.5	76.3
AGRIPRO/COKER PANOLA	76.2	53.7	25	37	4-06	5-18	5	16	73.1	78.1
PROGENY 196	75.4	54.7	29	32	4-07	5-15	4	11		
DELTA KING 7830	75.2	53.4	9	37	4-07	5-19	5	9	82.0	83.1
TERRAL LA841	75.1	53.4	9	33	4-04	5-14	5	6	78.0	82.2
PROGENY 145	74.9	51.9	15	37	4-06	5-18	5	13	80.3	81.9
PROGENY 185	74.8	54.2	3	34	4-07	5-20	3	15	84.6	
UGA 951079-2E31	74.7	54.7	61	37	4-08	5-18	6	8	80.4	
ARMOR 3035	74.3	53.4	13	37	4-09	5-21	4	7	76.5	79.9
LA97113UC-124-3-B	74.3	54.9	3	36	4-06	5-20	4	15		
DIXIE 500	73.8	53.0	23	37	4-10	5-20	4	13	75.5	79.8
ARMOR 2010	73.6	52.4	23	39	4-07	5-21	5	15	70.4	76.4
DIXIE 9512	73.6	53.3	9	37	4-07	5-19	4	21	71.6	79.4
JGL EXP 604	72.4	49.5	23	35	4-11	5-20	5	17		
TERRAL TV8466	72.2	52.2	11	35	4-11	5-18	4	8	79.3	81.5
DELTA GROW 4500	71.9	52.5	25	37	4-09	5-17	4	13	74.7	82.0
PROGENY 133	71.0	54.8	11	38	4-08	5-21	5	9	77.8	79.1
VIGORO McINTOSH	71.0	54.1	45	38	4-08	5-17	5	8		
JGL EXP 603	69.2	52.5	19	36	4-08	5-19	4	7		
DIXIE BELL DB3440	69.1	53.0	36	36	4-13	5-20	5	13		
DIXIE 9812	69.0	47.0	16	37	4-06	5-20	5	15	70.8	78.0
ARMOR 5110	68.8	45.1	16	36	4-10	5-21	5	14		

Table 5. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	Fall grow	For rate	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in			in		bu/A	bu/A
LA95135D54-2-3-C	68.5	53.7	16	39	4-07	5-19	4	13	67.8	
DELTA KING 7710	66.7	53.9	39	38	4-11	5-17	6	12	81.8	84.2
DELTA GROW 4100	63.5	46.7	14	36	4-09	5-19	4	16	75.6	
ARMOR 3330	62.4	45.8	21	36	4-08	5-19	4	17	81.7	84.3
LA98094BUB-58-5-B	59.5	49.9	16	27	4-02	5-21	4	22		
DIXIE BELL DB1170	55.9	45.3	19	37	4-08	5-19	5	8	69.6	76.9
Grand mean	81.0	53.2	17	36	4-08	5-19	4	12	79.4	82.4
LSD (5%)	20.6	6.1	17	2	1	3	1.4	11.3		
C.V. (%)	18.4	8.2	71	5	3	2	19.0	46.9		

Ldg = Lodging; Pt ht = Plant height; Fall grow = Amount of Fall plant growth; For rate = Visual forage rating, 0-25 rating scale with 0 = complete ground cover, 25 = no ground cover.

**STANDARD INPUT WHEAT TEST
SOUTHEAST BRANCH STATION, ROHWER, AR**

SOIL SERIES....Sharkey/Desha silt loam

PREVIOUS CROP...Soybeans

PLANTING DATE....October 13, 2005

FERTILIZER.... 280 lb/A of 0-60-90 on October 10, 2005; 50 lb N/A on March 2, 2006; 60 lb N/A on March 16, 2006

HERBICIDE....0.6 oz/A Harmony Extra + 4.75 oz/A Osprey on Feb. 23, 2006

INSECTICIDE....None

HARVEST DATE....May 25, 2006

PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2005-2006	0.07	3.6	2.3	7.7	4.7	4.3	4.8	4.3	31.8
Normal	4.5	5.6	6.7	3.4	5.5	5.2	3.5	4.7	39.1
Departure	-4.4	-2.0	-4.4	+4.3	-0.8	-0.9	+1.3	-0.4	-7.3

Table 6. Performance of Wheat Cultivars in the Standard Input Test, Rohwer.

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date	2-Yr avg
	bu/A	lb/bu	in			bu/A
FFR 8302	96.9	62.7	39	4-08	5-12	88.8
CROPLAN GENET. 8302	95.7	62.6	40	4-08	5-13	82.8
PIONEER 26R22	95.0	57.5	38	4-10	5-13	82.8
PIONEER XW04C	92.8	61.8	38	4-04	5-10	
AGS 2060	91.8	63.7	40	4-05	5-12	82.7
ARMOR 3015	90.6	62.3	37	4-09	5-12	
HBK 3266	90.2	62.3	39	4-04	5-09	88.9
USG 3665	90.2	61.9	38	4-10	5-12	
UGA 951395-3A31	89.6	62.5	35	4-05	5-09	
UGA 951395-3E25	88.7	62.4	36	4-06	5-09	
DELTA KING 9577	88.6	61.8	38	4-08	5-10	79.3
TERRAL TV8558	88.5	61.6	38	4-08	5-11	85.4
PIONEER 26R15	88.3	60.9	39	4-11	5-14	82.1
TERRAL TVX8331	88.1	61.2	41	4-07	5-10	
AGRIPRO/COCKER PANOLA	87.5	59.8	38	4-08	5-11	82.4
DELTA GROW 1600	86.3	61.8	39	4-10	5-11	
TERRAL TV8466	86.1	61.3	37	4-10	5-11	79.6
VIGORO DOMINION	85.6	61.2	34	4-09	5-11	76.5
LA97113UC-124-3-B	85.5	63.8	39	4-06	5-12	
USG 3209	84.7	60.9	35	4-04	5-08	75.8
AGRIPRO/COCKER D01-775984.7	62.6	41	4-06	5-10		
AGS 2000	84.5	60.0	37	3-31	5-08	77.1
DIXIE 989	84.3	61.8	39	4-11	5-13	
AR96077-10-1	83.8	62.7	38	4-06	5-07	
TERRAL LA841	82.7	60.8	36	4-02	5-06	81.3

Table 6. Continued.

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date	2-Yr avg
	bu/A	lb/bu	in			bu/A
DELTA GROW 5200	82.4	60.8	42	4-07	5-10	
PROGENY 196	82.4	60.9	36	4-11	5-15	
AGRIPRO/COKER COKER9553	82.4	63.4	36	4-06	5-07	81.5
DELTA KING 7710	82.3	62.1	42	4-10	5-12	78.9
AGS 2050	81.4	61.6	37	4-07	5-11	73.8
AGRIPRO/COKER BRANSON	81.1	60.7	35	4-05	5-09	
ARMOR 260Z	81.0	61.8	38	4-08	5-10	
DELTA KING GR9108	80.7	61.5	41	4-04	5-07	77.7
VIGORO McINTOSH	80.2	62.3	41	4-07	5-09	
ROANE	79.9	63.4	37	4-11	5-13	76.0
TERRAL TVX8332	79.7	60.6	43	4-08	5-11	
MV 5-46	79.3	62.7	35	4-03	5-05	71.2
DIXIE BELL DB2150	79.3	61.1	40	4-05	5-09	81.4
USG 3350	79.2	60.9	43	4-07	5-11	76.8
TERRAL TVX8660	79.2	60.2	39	4-12	5-14	
ARMOR 3035	78.7	60.7	42	4-07	5-11	79.6
TERRAL TVX83H504	78.7	60.0	41	4-08	5-12	
ARMOR 5110	78.6	61.5	42	4-06	5-09	
DELTA KING 9410	78.6	61.0	42	4-07	5-10	77.7
UGA 951216-2E26	78.1	63.2	40	4-06	5-06	75.4
UGA 96229-3A41	78.0	62.9	38	4-07	5-09	
PAT	76.0	62.1	41	4-12	5-15	67.0
ARMOR 3330	75.8	60.9	42	4-05	5-08	75.9
LA95135D54-2-3-C	75.1	61.6	41	4-06	5-10	78.2
AR 850-1-1	75.1	60.7	41	4-12	5-15	
PROGENY 185	74.5	60.1	37	4-06	5-10	74.5
DIXIE BELL DB2125	74.2	61.1	41	4-08	5-11	73.8
JGL EXP 604	74.0	59.4	40	4-11	5-13	
DELTA KING 7830	73.7	60.9	41	4-05	5-09	77.6
CROPLAN GENET. 554W	73.4	60.9	34	4-08	5-11	66.1
DIXIE 9512	73.4	61.0	44	4-05	5-08	75.2
AGRIPRO/COKER BERETTA	72.9	60.8	36	4-12	5-15	72.7
CHOPTANK	72.4	61.7	33	4-02	5-06	66.2
DELTA GROW 4500	72.1	60.7	44	4-07	5-10	70.4
PROGENY 133	71.9	60.4	43	4-05	5-10	71.1
ARMOR 2010	71.8	61.1	43	4-06	5-10	76.4
DIXIE 500	71.2	59.3	42	4-08	5-12	68.8
DELTA GROW 4100	71.0	61.1	42	4-06	5-11	72.2
PROGENY 110	70.5	61.0	42	4-05	5-10	72.3
DIXIE BELL DB1170	70.3	60.9	41	4-05	5-09	73.8
USG 3244	70.0	60.3	42	4-08	5-11	
DIXIE 900	69.8	61.1	42	4-08	5-11	71.2
SABBE	69.2	60.1	39	4-11	5-15	67.8
UGA 96229-3E39	69.2	63.1	41	4-05	5-07	
PROGENY 166	68.9	60.9	42	4-08	5-12	75.7

Table 6. Continued.

Entry Name	Yield	Test wt	Pt ht	Head date	Mat. date	2-Yr avg
	bu/A	lb/bu	in			bu/A
DIXIE 9812	67.9	60.9	42	4-04	5-09	73.1
LA98094BUB-58-5-B	67.6	61.5	33	3-31	5-13	
DIXIE BELL DB3440	67.3	58.0	39	4-11	5-13	
UGA 951079-2E31	66.3	61.2	40	4-05	5-05	69.1
PROGENY 145	63.2	60.2	42	4-05	5-09	67.0
JGL EXP 603	60.7	59.3	39	4-07	5-10	
AGRIPRO/COKER COKER9375	60.2	59.2	42	4-10	5-09	60.7
LA9554D68-3-2-C	59.3	60.5	36	3-31	5-08	
Grand mean	78.7	61.2	39	4-07	5-10	75.8
LSD (5%)	12.0	1.7	2	1	2	
C.V. (%)	11.0	2.0	4	3	2	

Pt ht = Plant height

**STANDARD INPUT WHEAT TEST
RICE RESEARCH & EXTENSION CENTER, STUTTGART, AR**

SOIL SERIES....Crowley silt loam
 PREVIOUS CROP....Fallow
 PLANTING DATE....October 19, 2005
 FERTILIZER.... 60 lb N/A on Feb. 16, 2006; 40 lb N/A on March 7, 2006
 HERBICIDE....2 oz Sencor on Dec. 2, 2005
 INSECTICIDE....None
 HARVEST DATE....June 5, 2006
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2005-2006	0	4.4	0.7	6.6	3.7	3.8	4.7	4.8	28.7
Normal	3.3	4.4	4.6	3.8	3.8	4.6	5.6	5.4	35.5
Departure	-3.3	0	-3.9	+2.8	-0.1	-0.8	-0.9	-0.6	-6.8

Table 7. Performance of Wheat Cultivars in the Standard Input Test, Stuttgart.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	Leaf rust
	bu/A	lb/bu	%	in			%
AGRIPRO/COKER D01-775989.7	56.4	0	37	4-15	5-13	5	
DELTA KING 9577	89.0	54.4	10	36	4-16	5-12	11
DELTA KING GR9108	88.1	56.5	6	36	4-16	5-13	2
TERRAL TV8558	88.0	53.7	11	36	4-14	5-12	9
UGA 96229-3A41	87.2	55.7	18	36	4-15	5-11	0
DELTA GROW 1600	87.2	53.5	10	37	4-15	5-13	2
FFR 8302	87.0	56.0	6	35	4-15	5-12	5
HBK 3266	86.9	57.8	14	37	4-15	5-12	0
USG 3665	86.7	53.2	11	37	4-15	5-13	5
PIONEER 26R22	86.2	54.5	6	34	4-15	5-12	15
PAT	86.1	56.6	1	34	4-15	5-12	2
AR 850-1-1	85.5	57.1	1	36	4-16	5-12	5
ARMOR 260Z	85.3	54.2	9	37	4-16	5-12	11
DIXIE 989	83.8	53.8	20	36	4-16	5-12	5
VIGORO DOMINION	83.7	56.0	7	34	4-16	5-11	5
ROANE	83.6	57.4	6	35	4-16	5-13	2
MV 5-46	83.6	58.9	3	38	4-16	5-12	5
AGS 2000	82.9	57.3	13	33	4-13	5-13	1
CROPLAN GENET. 8302	82.7	55.8	8	36	4-15	5-13	5
PIONEER 26R15	80.8	55.8	9	36	4-15	5-13	2
DELTA GROW 5200	80.7	55.2	10	37	4-15	5-12	23
DELTA KING 7710	79.6	56.0	8	36	4-15	5-12	23
TERRAL TV8466	79.5	55.1	3	35	4-16	5-11	5
CHOPTANK	79.5	56.8	1	35	4-16	5-13	2
TERRAL TVX8331	79.1	55.9	2	36	4-16	5-13	5
AR96077-10-1	79.0	52.8	13	35	4-14	5-12	2
TERRAL TVX8332	78.9	55.0	7	36	4-15	5-13	15

Table 7. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	Leaf rust
	bu/A	lb/bu	%	in			%
PROGENY 185	78.9	56.3	2	35	4-15	5-12	7
AGS 2050	78.8	56.0	11	36	4-13	5-12	15
DELTA GROW 4100	78.4	55.9	11	34	4-15	5-12	15
PROGENY 133	78.3	55.6	7	33	4-15	5-14	40
UGA 951395-3A31	78.1	57.6	7	35	4-16	5-12	0
PROGENY 166	77.9	55.7	2	37	4-15	5-13	33
ARMOR 5110	77.8	55.7	7	40	4-15	5-13	15
DIXIE BELL DB2150	77.7	54.6	7	36	4-15	5-12	40
DELTA KING 9410	77.6	55.4	4	38	4-15	5-13	30
TERRAL LA841	77.6	55.8	4	34	4-14	5-12	1
AGRIPRO/COKER COKER9375	77.6	52.0	10	39	4-15	5-12	11
AGRIPRO/COKER COKER9553	77.5	59.2	1	33	4-14	5-11	2
UGA 951395-3E25	76.9	57.4	7	34	4-15	5-13	0
UGA 96229-3E39	76.8	57.5	7	36	4-14	5-12	0
VIGORO McINTOSH	76.8	57.8	21	36	4-14	5-14	2
DIXIE BELL DB3440	76.7	53.5	8	35	4-16	5-13	11
DIXIE BELL DB2125	76.0	55.3	5	40	4-16	5-12	40
PIONEER XW04C	75.8	59.5	4	34	4-14	5-12	2
USG 3244	75.8	54.7	8	34	4-13	5-13	40
AGRIPRO/COKER BERETTA	75.7	54.4	4	36	4-16	5-13	2
AGS 2060	75.4	58.1	5	35	4-15	5-13	1
UGA 951079-2E31	75.3	57.9	14	34	4-13	5-11	1
CROPLAN GENET. 554W	75.2	56.5	44	34	4-16	5-12	7
DELTA KING 7830	74.6	55.6	17	35	4-16	5-12	23
TERRAL TVX8660	73.8	52.9	2	36	4-16	5-12	2
PROGENY 145	73.7	54.6	7	37	4-15	5-13	30
DELTA GROW 4500	73.7	54.4	9	38	4-15	5-13	50
LA95135D54-2-3-C	73.2	55.8	7	38	4-16	5-13	0
TERRAL TVX83H504	73.1	54.5	6	34	4-15	5-12	30
DIXIE 9512	72.9	55.7	5	37	4-16	5-12	40
ARMOR 2010	72.8	55.4	9	34	4-16	5-13	23
DIXIE 9812	72.8	55.9	9	37	4-14	5-13	23
JGL EXP 604	72.4	53.0	4	37	4-15	5-13	40
USG 3350	72.2	55.7	4	37	4-16	5-12	50
DIXIE 900	72.2	56.0	4	37	4-16	5-13	40
DIXIE 500	72.1	55.1	9	35	4-14	5-14	30
ARMOR 3015	71.9	56.4	8	36	4-15	5-11	11
ARMOR 3035	71.3	55.7	8	37	4-15	5-12	30
USG 3209	71.3	54.0	14	36	4-16	5-12	7
AGRIPRO/COKER BRANSON	71.2	55.2	5	35	4-16	5-12	7
ARMOR 3330	70.9	55.2	8	36	4-15	5-12	15
UGA 951216-2E26	70.9	55.5	10	35	4-15	5-12	1
LA9554D68-3-2-C	70.2	53.8	18	35	4-13	5-14	0
DIXIE BELL DB1170	70.1	55.0	7	37	4-15	5-12	50
PROGENY 110	69.7	55.5	7	36	4-15	5-12	30

Table 7. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	Leaf rust
	bu/A	lb/bu	%	in			%
AGRIPRO/COKER PANOLA	68.3	55.5	6	36	4-14	5-12	19
LA97113UC-124-3-B	67.2	59.0	0	35	4-15	5-12	2
JGL EXP 603	67.0	54.1	5	34	4-16	5-12	40
PROGENY 196	65.3	55.2	0	32	4-16	5-14	2
LA98094BUB-58-5-B	64.9	57.0	13	34	4-17	5-12	1
SABBE	60.9	54.7	0	34	4-15	5-13	5
Grand mean	77.2	55.6	8	36	4-15	5-12	14
LSD (5%)	7.9	1.0	12	4	2	2	
C.V. (%)	7.4	1.3	108	9	3	2	

Ldg = Lodging; Pt ht = Plant height

**HIGH INPUT WHEAT TEST
RICE RESEARCH & EXTENSION CENTER, STUTTGART, AR**

SOIL SERIES....Crowley silt loam
 PREVIOUS CROP....Fallow
 PLANTING DATE....October 19, 2005
 FERTILIZER.... 90 lb N/A on Feb. 16, 2006; 60 lb N/A on March 7, 2006
 HERBICIDE....2 oz Sencor on Dec. 2, 2005; 4 oz/A Tilt on April 5, 2006
 INSECTICIDE....None
 HARVEST DATE....June 5, 2006
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2005-2006	0	4.4	0.7	6.6	3.7	3.8	4.7	4.8	28.7
Normal	3.3	4.4	4.6	3.8	3.8	4.6	5.6	5.4	35.5
Departure	-3.3	0	-3.9	+2.8	-0.1	-0.8	-0.9	-0.6	-6.8

Table 8. Performance of Wheat Cultivars in the High Input Test, Stuttgart.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date
	bu/A	lb/bu	%	in		
VIGORO DOMINION	100.6	53.1	35	37	4-16	5-14
UGA 96229-3E39	100.5	51.5	7	37	4-14	5-14
TERRAL TV8558	100.2	52.5	11	36	4-15	5-13
DELTA KING 9577	99.6	52.8	15	37	4-15	5-14
ARMOR 260Z	98.7	52.7	20	36	4-15	5-14
TERRAL TVX8332	97.6	54.0	6	41	4-15	5-14
DIXIE 900	97.4	55.5	3	38	4-15	5-15
DELTA KING 9410	96.3	54.7	4	39	4-15	5-14
USG 3350	96.1	53.9	4	35	4-14	5-13
PROGENY 185	95.8	52.7	3	38	4-15	5-13
CROPLAN GENET. 554W	95.7	54.5	85	36	4-15	5-13
TERRAL TV8466	95.6	53.5	16	37	4-16	5-15
DELTA GROW 5200	94.5	54.8	10	39	4-14	5-14
DIXIE 989	94.4	51.8	24	38	4-15	5-15
DIXIE 500	93.6	54.3	5	40	4-16	5-14
ARMOR 5110	93.1	54.1	11	38	4-15	5-14
DELTA GROW 4100	92.6	53.9	3	36	4-15	5-15
PIONEER 26R22	92.4	53.5	2	35	4-16	5-14
MV 5-46	92.4	57.5	13	35	4-15	5-14
DELTA KING GR9108	92.3	52.6	29	38	4-14	5-13
DIXIE 9812	92.1	54.5	4	39	4-16	5-13
DELTA GROW 1600	92.0	49.9	16	38	4-14	5-14
TERRAL TVX83H504	91.7	54.1	4	36	4-15	5-14
PROGENY 166	91.5	55.3	4	37	4-15	5-15
AGRIPRO/COKER BRANSON	91.5	53.8	7	39	4-15	5-14
DIXIE BELL DB2125	91.4	53.8	6	41	4-15	5-13

Table 8. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date
	bu/A	lb/bu	%	in		
PROGENY 133	91.3	54.8	2	40	4-16	5-13
DIXIE 9512	91.3	55.2	4	38	4-14	5-14
PROGENY 145	91.1	53.2	4	37	4-15	5-14
USG 3209	90.7	53.1	22	35	4-15	5-14
ARMOR 3035	90.6	55.1	4	38	4-15	5-13
AGRIPRO/COKER COKER9553	90.6	56.0	6	38	4-14	5-13
DELTA GROW 4500	90.4	53.9	11	36	4-15	5-15
JGL EXP 604	90.4	52.5	6	39	4-15	5-13
AR96077-10-1	90.4	51.4	20	36	4-15	5-15
DELTA KING 7830	90.3	54.5	8	40	4-14	5-14
USG 3244	90.2	53.9	16	40	4-15	5-14
ARMOR 2010	90.2	55.0	3	37	4-16	5-13
AGRIPRO/COKER D01-775989.8	54.1	4	38	4-15	5-14	
AGRIPRO/COKER BERETTA	89.1	51.3	18	37	4-15	5-15
UGA 96229-3A41	89.1	53.6	12	39	4-14	5-13
USG 3665	88.6	51.3	36	38	4-15	5-13
PROGENY 110	88.4	54.0	2	36	4-14	5-14
AGS 2050	88.2	54.8	13	39	4-15	5-15
FFR 8302	88.1	53.0	10	36	4-15	5-13
DIXIE BELL DB2150	87.8	53.6	1	32	4-14	5-15
CROPLAN GENET. 8302	87.7	53.6	21	38	4-13	5-13
DIXIE BELL DB3440	87.6	51.7	14	40	4-15	5-14
JGL EXP 603	87.5	54.0	6	36	4-15	5-13
DELTA KING 7710	87.3	55.5	30	38	4-16	5-15
PAT	87.3	54.1	4	41	4-15	5-15
ARMOR 3330	87.1	53.1	5	38	4-15	5-14
ROANE	87.0	53.8	33	39	4-15	5-14
UGA 951395-3E25	86.9	54.9	15	37	4-14	5-14
UGA 951216-2E26	85.6	52.8	39	36	4-15	5-15
DIXIE BELL DB1170	85.3	54.2	4	37	4-15	5-13
AR 850-1-1	85.3	55.4	16	38	4-14	5-13
TERRAL TVX8331	84.8	54.1	3	37	4-16	5-14
LA9554D68-3-2-C	83.7	51.6	13	40	4-14	5-13
TERRAL LA841	83.3	54.3	22	36	4-13	5-12
VIGORO McINTOSH	83.2	53.6	51	34	4-14	5-13
UGA 951395-3A31	82.3	54.5	24	36	4-14	5-14
PIONEER XW04C	81.7	55.9	1	35	4-14	5-14
AGRIPRO/COKER PANOLA	81.3	53.3	8	37	4-14	5-13
LA97113UC-124-3-B	80.8	55.3	0	37	4-15	5-14
AGRIPRO/COKER COKER9375	80.4	51.0	28	38	4-15	5-14
AGS 2000	80.1	55.2	28	39	4-15	5-14
ARMOR 3015	79.4	55.8	14	37	4-14	5-13
CHOPTANK	79.1	54.6	9	38	4-15	5-15
TERRAL TVX8660	76.5	50.6	19	36	4-15	5-14
HBK 3266	75.2	54.6	31	39	4-15	5-14

Table 8. Continued.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date
	bu/A	lb/bu	%	in		
SABBE	74.0	52.8	6	39	4-15	5-14
PROGENY 196	73.9	52.8	3	34	4-16	5-12
UGA 951079-2E31	73.1	54.7	24	36	4-14	5-13
AGS 2060	71.1	53.8	9	38	4-14	5-15
LA95135D54-2-3-C	69.9	51.6	23	39	4-14	5-16
PIONEER 26R15	65.2	52.5	58	39	4-15	5-13
LA98094BUB-58-5-B	61.5	52.9	35	36	4-15	5-14
Grand mean	87.7	53.7	15	37	4-15	5-14
LSD (5%)	14.0	2.1	22	4	2	2
C.V. (%)	11.5	2.8	106	9	3	2

Ldg = Lodging; Pt ht = Plant height

Table 9. Disease reaction ratings based on average for Leaf Rust, and Powdery Mildew.

	Leaf Rust	Powdery Mildew
AGRIPRO/COKER BERETTA	MR	MR
AGRIPRO/COKER BRANSON	MR	R
AGRIPRO/COKER COKER9375	MS	R
AGRIPRO/COKER COKER9553	R	S
AGRIPRO/COKER D01-7759	MR	S
AGRIPRO/COKER PANOLA	MS	MR
AGS 2000	R	R
AGS 2050	MR	R
AGS 2060	MR	MS
AR 850-1-1	MS	S
AR96077-10-1	MR	R
ARMOR 2010	MS	S
ARMOR 260Z	MR	R
ARMOR 3015	MS	MS
ARMOR 3035	S	S
ARMOR 3330	MS	S
ARMOR 5110	MS	S
CHOPTANK	R	R
CROPLAN GENET. 554W	MR	R
CROPLAN GENET. 8302	R	S
DELTA GROW 1600	MR	R
DELTA GROW 4100	MS	S
DELTA GROW 4500	S	S
DELTA GROW 5200	S	S
DELTA KING 7710	MS	S
DELTA KING 7830	MS	S
DELTA KING 9410	S	S
DELTA KING 9577	MR	R
DELTA KING GR9108	MS	R
DIXIE 500	S	R
DIXIE 900	S	S
DIXIE 9512	S	S
DIXIE 989	R	R
DIXIE 9812	MS	S
DIXIE BELL DB1170	S	S
DIXIE BELL DB2125	S	S
DIXIE BELL DB2150	S	S
DIXIE BELL DB3440	MS	MR
FFR 8302	R	S
HBK 3266	R	S
JGL EXP 603	S	S
JGL EXP 604	S	MS
LA95135D54-2-3-C	R	R
LA9554D68-3-2-C	R	R
LA97113UC-124-3-B	MR	R
LA98094BUB-58-5-B	R	MS

Table 9. Disease reaction ratings based on average for Leaf Rust, and Powdery Mildew.

	<u>Leaf Rust</u>	<u>Powdery Mildew</u>
MV 5-46	MR	R
PAT	MS	S
PIONEER 26R15	MR	MR
PIONEER 26R22	MS	R
PIONEER XW04C	MR	R
PROGENY 110	MS	S
PROGENY 133	S	S
PROGENY 145	S	S
PROGENY 166	S	S
PROGENY 185	MR	R
PROGENY 196	MR	S
ROANE	MR	R
SABBE	S	R
TERRAL LA841	MR	MR
TERRAL TV8466	MS	MR
TERRAL TV8558	MR	R
TERRAL TVX8331	R	R
TERRAL TVX8332	MS	S
TERRAL TVX83H504	S	S
TERRAL TVX8660	R	S
UGA 951079-2E31	R	R
UGA 951216-2E26	MS	S
UGA 951395-3A31	R	R
UGA 951395-3E25	R	R
UGA 96229-3A41	R	R
UGA 96229-3E39	MR	R
USG 3209	MS	MS
USG 3244	S	S
USG 3350	S	S
USG 3665	MS	R
VIGORO DOMINION	R	R
VIGORO McINTOSH	R	R

S = susceptible; MS = moderately susceptible; MR = moderately resistant; R = resistant.

OAT TEST
COTTON BRANCH STATION, MARIANNA, AR

SOIL SERIES....Loring silt loam
 PREVIOUS CROP....Fallow
 PLANTING DATE....October 12, 2005
 FERTILIZER.... 60 lb N/A + 16 lb S/A on March 1, 2006; 40 lb N/A on March 15, 2006
 HERBICIDE.... None
 INSECTICIDE....3.84 oz/A Warrior on October 28, 2005
 HARVEST DATE....June 7, 2005
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2005-2006	0.5	2.8	1.1	5.4	3.3	4.6	2.2	3.9	23.7
Normal	3.0	4.4	4.8	4.4	4.1	5.4	5.5	5.2	36.8
Departure	-2.5	-1.6	-3.7	+1.0	-0.8	-0.8	-3.3	-1.3	-13.1
	0								

Table 10. Performance of Oat Cultivars, Marianna.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date	2-Yr avg	3-Yr avg
	bu/A	lb/bu	%	in			bu/A	bu/A
ARO 231-3	110.0	31.6	18	32	4-11	5-19	101.3	113.5
ARO 336-12	109.7	35.9	13	40	4-14	5-19	98.5	111.9
LA966BSB-270-S2-C	107.8	32.7	75	32	4-05	5-16	94.3	
ARO 213-12	107.0	31.8	7	33	4-12	5-20	94.2	107.4
BOB	104.9	32.7	90	35	4-06	5-20	88.8	
SECRETARIAT LA495	104.2	33.0	32	37	4-10	5-19	92.8	112.0
HORIZON 321	102.3	34.7	73	33	4-10	5-18	86.1	97.9
LA98023SBSB-129-1-S1	101.7	31.4	91	33	4-10	5-18		
LA99017SBSB-46	100.1	35.2	70	36	4-10	5-17		
NC98-197N	99.8	36.6	64	33	4-08	5-18		
LA9825SBSB-59-C	98.6	35.1	15	36	4-11	5-20	94.2	
ARO 289-9	95.7	32.0	90	36	4-08	5-19	94.9	106.5
ARNO-4	95.4	36.7	41	40	4-10	5-20	80.0	74.8
LA95033D63-1-C-S3	93.7	32.7	55	35	4-10	5-18	93.5	
TROPHY	92.4	32.6	75	36	4-07	5-19	86.7	91.7
YORK	92.1	37.1	8	30	4-10	5-18	89.2	107.3
OZARK	91.3	34.4	75	40	4-13	5-20	83.1	
LA97006GBS-22-B-S2	90.0	34.4	61	37	4-08	5-18		
ARNO-9	88.2	37.6	51	37	4-10	5-19	75.6	74.9
ARO 336-3	82.4	34.1	20	35	4-10	5-20	85.9	103.4
ARNO-10	63.4	39.2	64	39	4-08	5-18	70.3	76.3
ARNO-7	56.5	38.5	21	37	4-05	5-20	54.6	59.5
Grand mean	94.9	34.5	50	36	4-09	5-19	86.9	95.2
LSD (5%)	26.9	3.1	33	3	3	3		
C.V. (%)	20.3	6.3	46	6	6	2		

Ldg = Lodging; Pt ht = Plant height

OAT TEST
RICE RESEARCH & EXTENSION CENTER, STUTTGART, AR

SOIL SERIES....Crowley silt loam
 PREVIOUS CROP....Fallow
 PLANTING DATE....October 25, 2005
 FERTILIZER....60 lb N/A on Feb. 16, 2006; 40 lb N/A on March 7, 2006
 HERBICIDE....None
 INSECTICIDE....None
 HARVEST DATE....June 7, 2006
 PRECIPITATION

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
	----- Inches -----								
2005-2006	0	4.4	0.7	6.6	3.7	3.8	4.7	4.8	28.7
Normal	3.3	4.4	4.6	3.8	3.8	4.6	5.6	5.4	35.5
Departure	-3.3	0	-3.9	+2.8	-0.1	-0.8	-0.9	-0.6	-6.8

Table 11. Performance of Oat Cultivars, Stuttgart.

Entry Name	Yield	Test wt	Ldg	Pt ht	Head date	Mat. date
	bu/A	lb/bu	%	in		
LA97006GBS-22-B-S2	120.1	34.0	85	34	4-13	5-10
TROPHY	114.1	33.0	90	39	4-14	5-11
BOB	113.7	35.3	78	36	4-14	5-09
ARO 336-12	111.2	35.5	46	37	4-16	5-11
LA966BSB-270-S2-C	110.9	33.7	93	29	4-16	5-08
LA9825SBSB-59-C	109.4	34.3	71	36	4-15	5-08
HORIZON 321	107.6	36.3	93	34	4-17	5-10
LA99017SBSB-46	106.8	34.5	80	38	4-15	5-07
SECRETARIAT LA495	106.1	32.2	78	37	4-15	5-10
NC98-197N	104.9	36.2	90	34	4-13	5-07
LA98023SBSB-129-1-S1	104.5	30.7	95	32	4-16	5-09
LA95033D63-1-C-S3	101.4	31.4	89	34	4-14	5-11
ARO 289-9	93.0	34.0	81	33	4-15	5-13
ARO 336-3	87.3	34.0	6	32	4-18	5-13
ARNO-4	79.4	37.5	71	38	4-15	5-11
ARO 213-12	79.0	35.0	8	31	4-15	5-11
ARO 231-3	65.5	35.4	5	31	4-18	5-13
OZARK	62.0	36.5	50	38	4-16	5-13
YORK	39.7	39.6	3	30	4-17	5-12
ARNO-9	31.6	40.2	86	34	4-16	5-13
ARNO-7	28.6	41.3	31	34	4-16	5-11
ARNO-10	25.3	39.6	79	38	4-16	5-12
Grand mean	86.5	35.5	64	35	4-15	5-11
LSD (5%)	19.4	2.0	15	3	2	2
C.V. (%)	16.3	4.0	16	5	3	2

Ldg = Lodging; Pt ht = Plant height

PARTICIPANTS AND ENTRIES
2006 - 2007 ARKANSAS SMALL-GRAIN CULTIVAR PERFORMANCE TESTS

Companies

AGSouth Genetics P.O. Box 72246 Albany, GA 31708-2246 229-881-7455	AGS 2000 AGS 2050	AGS 2060
B & S Seed Company, Inc. 1283 Hwy 444 Duncan, MS 38740 662-627-2521	Dixie Bell DB1170 Dixie Bell DB2125 Dixie Bell DB2150	Dixie Bell DB3440
Cache River Valley Seed 12470 Hwy 226 P.O. Box 10 Cash, AR 72421 870-477-5427	Dixie 900 Dixie 989 Dixie 9812 Dixie 9512	Dixie 500
Land O'Lakes/Croplan Genetics 4990 No. Co. Rd. 583 Blytheville, AR 72315 870-623-5093	Croplan Genetics 554W Croplan Genetics 8302	
Cullum Seed, LLC P.O. Box 178 Fisher, AR 72429 870-579-2286	Armor 3035 Armor 3330 Armor 2010	Armor 260Z Armor 3015 Armor 5110
Delta Grow Seed P.O. Box 219 England, AR 72046 501-842-2572	Delta Grow 5200 Delta Grow 4500 Delta Grow 4100	Delta Grow 1600
Delta King Seed Co. P.O. Box 970 McCrory, AR 72101 870-731-2992	Delta King 9410 Delta King 7710 Delta King 9577	Delta King GR9108 Delta King 7830
FFR Seed 969 Cloverleaf Dr. Southhaven, MS 38671 901-652-0903	FFR 8302	
Hornbeck Seed Co., Inc. P.O. Box 472, 210 Drier Rd DeWitt, AR 72042-0472 870-946-2087 JGL, Inc. 3540 South US 231	HBK 3266 JGL EXP 603 JGL EXP 604	

Greencastle, IN 46135
765-653-5402

Pioneer , A DuPont Co. Pioneer 26R22
7501 S. Memorial PKWY, STE 205 Pioneer 26R15
Huntsville, AL 35802 Pioneer XW04C
256-650-4223

Plantation Seed Conditioners, Inc. Horizon 321 (oat)
PO Box 398
Newton, GA 39870-0398
229-881-2700

Progeny Ag Products Progeny 110 Progeny 185
1529 Hwy 193 Progeny 133 Progeny 196
Wynne, AR 72396 Progeny 145
888-535-7333 Progeny 166

Royster-Clark, Inc. Virgo Dominion
717 Robinson Rd. SE Virgo McIntosh
Washington C.H., OH 43160
740-869-2181

Syngenta Seeds, Inc. AgriPro/COKER Coker Branson AgriPro/COKER 9553
P.O. Box 729 AgriPro/COKER Coker 9375 AgriPro/COKER Panola
778 CR 680 AgriPro/COKER Coker D01-7759 AgriPro/COKER Beretta
Bay, AR 72411
870-483-7691

Terral Seed, Inc. Terral LA841 Terral TV8558 Terral LA711
P.O. Box 826 Terral TVX83H504 Terral TVX8331 Trophy (oat)
Lake Providence, LA 71254 Terral TVX8660 Terral TVX8332
318-559-2840 Terral TV8466 Terral Secretariat LA495 (oat)

UniSouth Genetics USG 3209 USG 3244
2640-C Nolensville Rd. USG 3350
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Public Institutions

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Department of CSES
Fayetteville, AR 72701
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Pat
Sabbe
AR 850-1-1
AR96077-10-1

(oat)
ARNO 7 (oat)

Bob (oat)
Ozark (oat)
York (oat)
ARO 213-12(oat)
ARNO 4 (oat)

ARO 231-3 (oat)
ARO 289-9 (oat)
ARO 336-12 (oat)
ARO 336-3 (oat)
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LA9825SBSB-59-C (oat) LA966BSB-270-S2-C (oat) LA9554D68-3-2-C
LA9810SBS-58 (oat) LA95033D63-1-C-S3 (oat) LA97113UC-124-3-B
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